Welcome

CALIFORNIA High-Speed Rail Authority

CITY OF SAN JOSE CAPITAL OF SILICON VALLEY

High Speed Rail
Visual Design Guidelines

South **C**ommunity **W**orking **G**roup

Meeting Two

April 14, 2011

Tonight's Agenda

1. Open House 6:00 - 6:30
2. Welcome and Introductions
3. Overview of Agenda and Work Plan - *Eileen Goodwin*
   - Schedule
   - Deliverables
4. Overview of Process and Funding - *Ben Tripousis*
5. HST Performance Criteria - *Gary Kennerley*
6. What we heard - (Meeting and Email) - Michael Kiesling
7. Corridor in Context - *Andrew Wolfram*
8. Design Elements - *Bruce Fukuji*
9. Public Comment
10. Next Steps - *Eileen Goodwin*
11. Adjourn

Visual Design Guidelines
Meeting Schedule & Topics

April 14th	Introduce concepts Discuss concepts
May 14th*	Saturday Workshop
May 26th	See draft guidelines Discuss draft guidelines
June 9th	Recommend final guidelines

* Tentative date under consideration

Sample Visual Design Guidelines
Doyle Drive, San Francisco

QUARTERMASTER LANDSCAPE UNIT

EXISTING FEATURES
- L Palace of Fine Arts
- M East Mason Warehouses
- N Gorgas Warehouses

PROPOSED PROJECT FEATURES
- 39 Preserve Historic Railroad Right-of-Way as Trail
- 40 Preserve Historic Fire Range Abutments as Trail
- 41 Provide Wide Gracious Underpass for Girard Road (see Figure 21)
- 42 Girard Road Extension (see Figure 22)
- 43 Preserve Industrial Character of Gorgas Avenue Landscape (see Figure 23)
- 44 Parking Lot
- 45 Preserve Views to Palace of Fine Arts

PROPOSED PRESIDIO TRUST MANAGEMENT PLAN (PTMP) FEATURES
- 46 Crissy Marsh Expansion
- 47 Lower Thompson Reach
- 48 Causeway along Mason Street

LEGEND
- Historic Forest
- Cultural Landscape
- Native Plant Zone
- Multi-use Trail
- Secondary Trail
- View
- Section Location

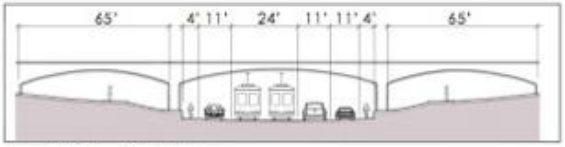


Figure 21: Girard Road Underpass

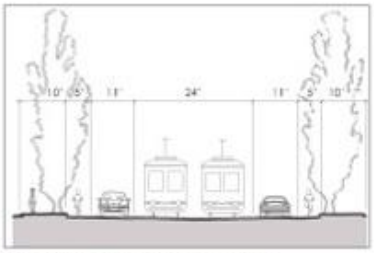


Figure 22: Typical Girard Road Section

Figure 23: Girard Road Underpass

Sample Visual Design Guidelines
Transbay District, San Francisco

PLAN DETAIL OF OSCAR PARK AND SURROUNDING OPEN SPACE

Mixed-Use Historic District Requirements

- Continue the pedestrian lane network.
- Provide programmed open space (especially under the ramps).
- Require infill development comparable in scale and grain to existing architecture to maintain the character of the district.
- Rehabilitate, seismically retrofit, and improve the environmental performance of historic buildings.
- Encourage "eyes on the street" by renovating existing buildings to face open space and alleys.
- Require all development to incorporate pedestrian paths into building design.

STREETS AND OPEN SPACE IMPROVEMENTS

With its mix of residential, office and retail uses, this district has the potential to be a unique neighborhood with similarities to South Park and the Hayes Valley neighborhoods.

This district will have a major open space component consisting of Oscar Park and adjoining recreation facilities. The elevated Terminal approach ramps create a unique situation that lends itself to these uses. The plan details (right and on page 8.7) illlustrate the approach to configuring these recreation amenities.

Sample Visual Design Guidelines
Metro Street Design, Portland, OR

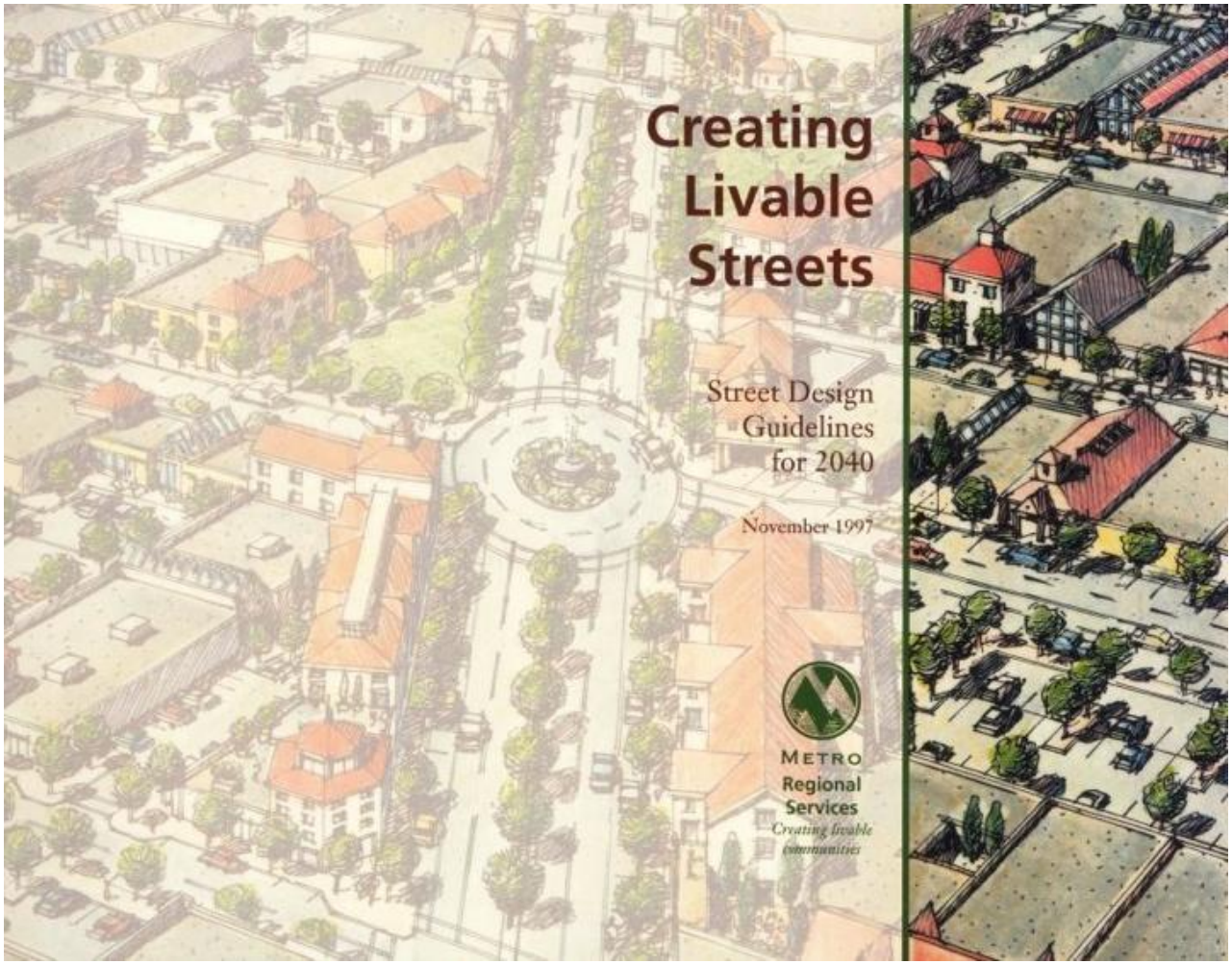


Table of Contents

Introduction and Purpose

Development Process

Character Defining Features

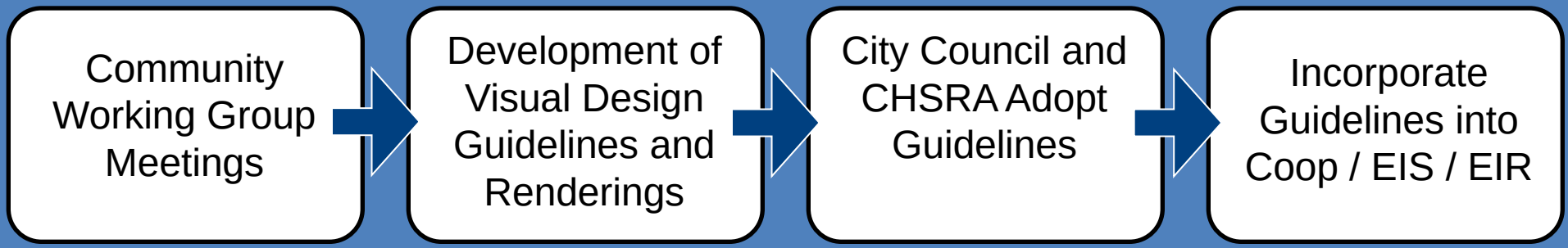
HST Alignment
Corridor Elements

Visual Design Guidelines

Design Objectives
Mitigated Impacts
Corridor Element Guidelines

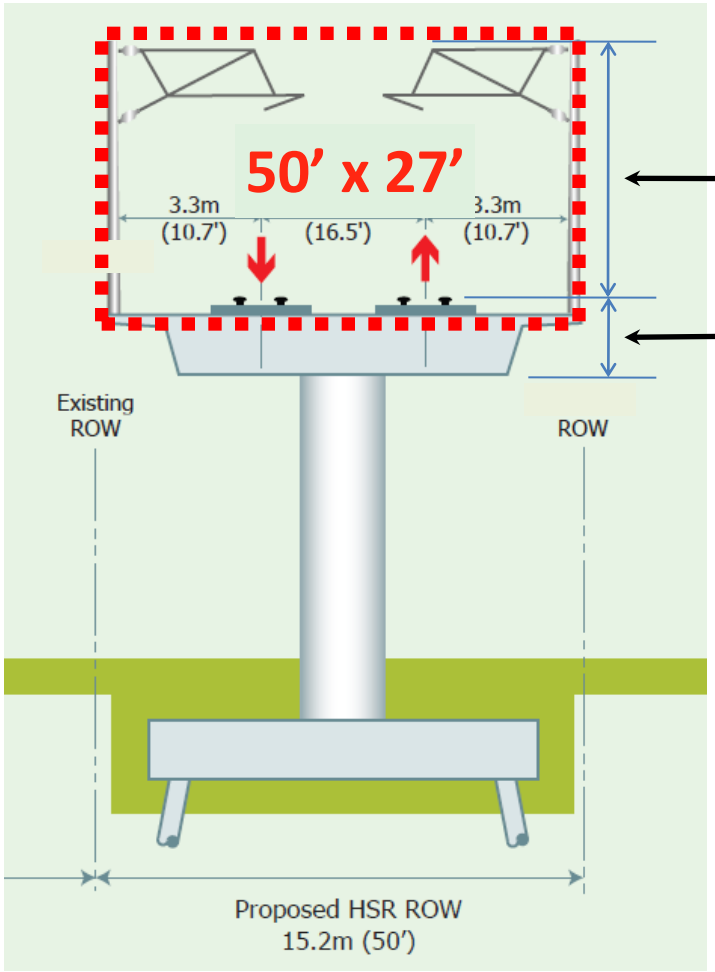
Visual Design Community Working Group Process

March - July 2011



High Speed Train Performance Criteria

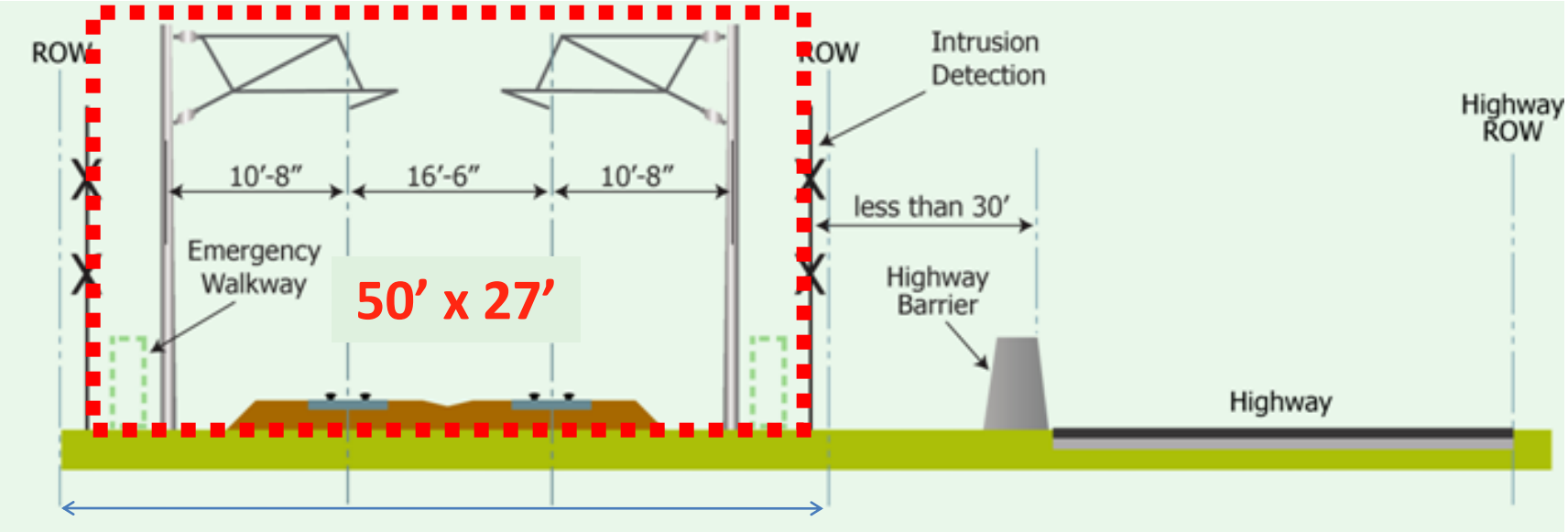
HST Operating Envelope
Aerial Structure



Clearance = 27’

Depth = 1/10 Span

HST Operating Envelope
At-Grade along Highway



Proposed HSR ROW 60'
50' Minimum plus safety barrier

What We Heard
Community Working Group Input

CWG Input
Citywide HST Corridor

A Golden Thread

Visually exciting for communities and passengers

Tread lightly

Relate to neighborhood scale and character

Concerns over graffiti and on-going maintenance

Cost implications

CWG Input
Aerial Structures

Well-engineered

Combine Design & Engineering

Contemporary

Minimal

Elegant

Expression of Engineering Technology

Local/Regional cultural expressed near but not on

Show actual height and width

Full-scale demonstration with cranes?

CWG Input
Reuse Under Aerials and Lighting

Reuse Under Aerials

- Bike & Ped pathways
- Parks
- Sculpture Parks
- Food Trucks / Vendors
- Performance Spaces

Lighting

- Dramatic lighting for structures
- Avoid light pollution

CWG Input
Public Art

Use art to enhance HST structures and facilities

Create engagement at pedestrian and auto level

As stand-alone / not physically attached to HST

Expressive of local history/culture

Use art to create gateway features for communities

People can learn about San Jose from artwork

CWG Input
Station and Simulation Locations

Station

Respect historic Diridon Station

Heat issues if greenhouse

Many stations are classical in style

Artwork can enhance the iconic status of station

Simulation Locations

At each street crossing

I-280 crossing from neighborhoods

Bellarmine tunnel portal

CWG Input
Monterey Parkway and Landscaping

Monterey Parkway

Unified and Distinct

Express local history

More greenery

Olive trees are messy

Legacy as El Camino Real

Landscaping

Indigenous & Drought-resistant

Attention to waterway crossings

CWG Input
Walls

Acoustic function

Location for art

Green walls

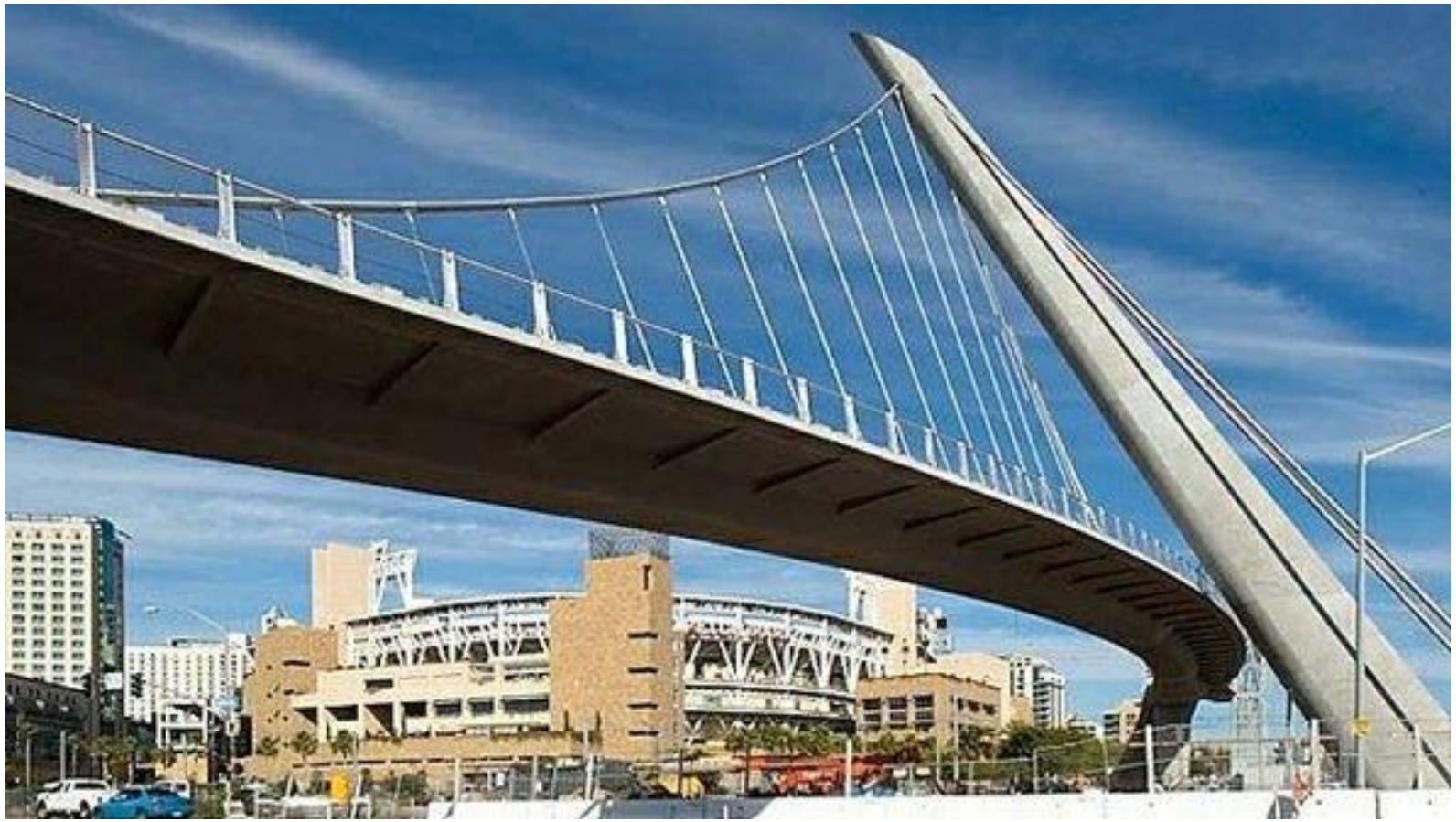
Artistic reliefs

Mosaic Tile

Be aware of potential to attract graffiti

Utilize landscaping and other design to limit graffiti

Harbor Drive Bridge, San Diego



Sundial Bridge, Redding

Erasmus Bridge, Rotterdam

Antwerp Central Station, Belgium

Lleida Pirineus Station, Spain

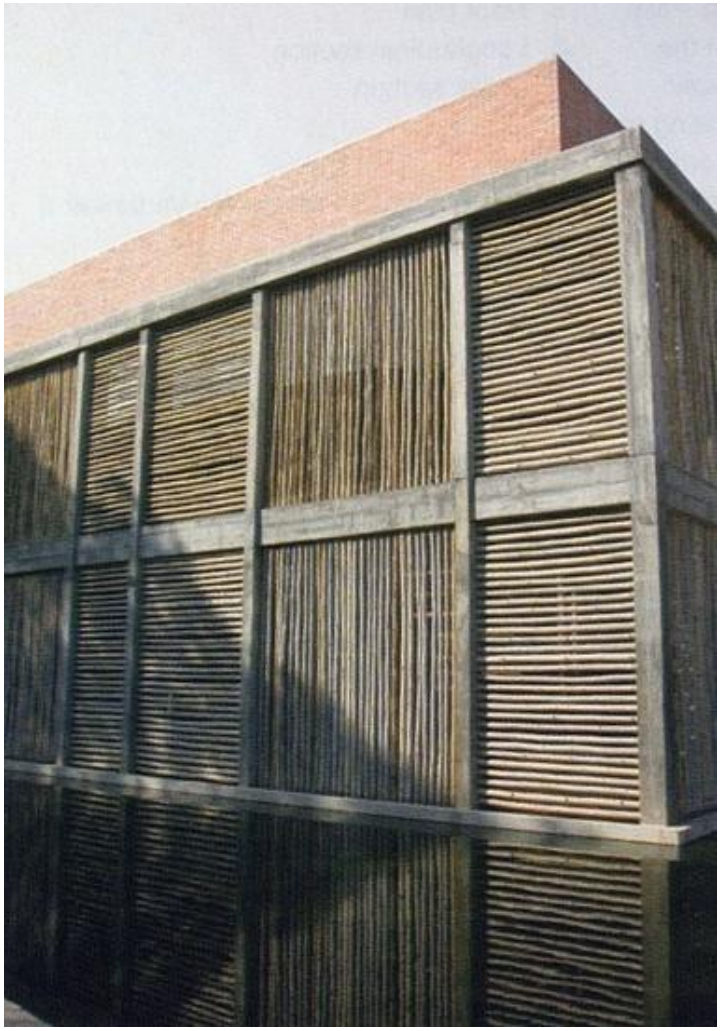
Wuhan Station, China

Consistent expression of modern engineering technology…

Overhead Lines, HSL-Zuid, Netherlands

Green walls…

...



Reuse around HST

Architectural follies

Styles & Images
Artwork

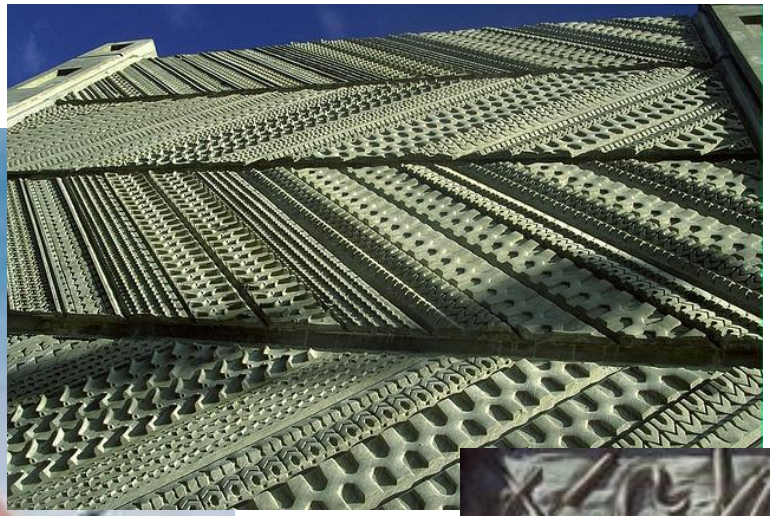
Styles & Images
Artwork

Styles & Images
Artwork

Public Art Enhancements for Alameda / West Santa Clara Undercrossing

Public Art Enhancements for Park Avenue Gateway

Styles & Images
Soundwalls & Landscaping



Styles & Images
Soundwalls & Landscaping

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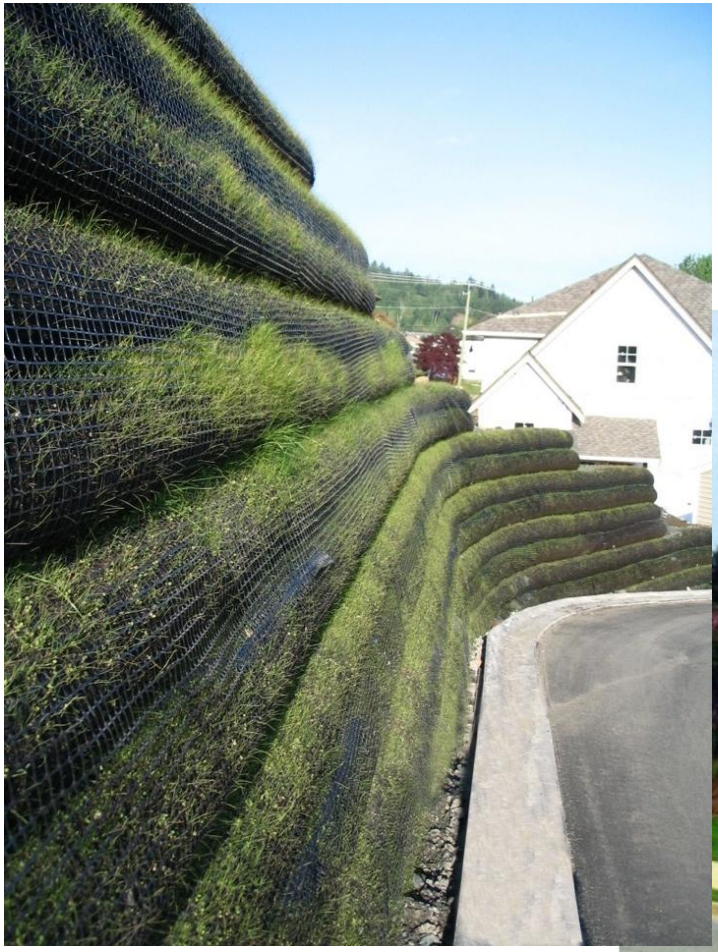


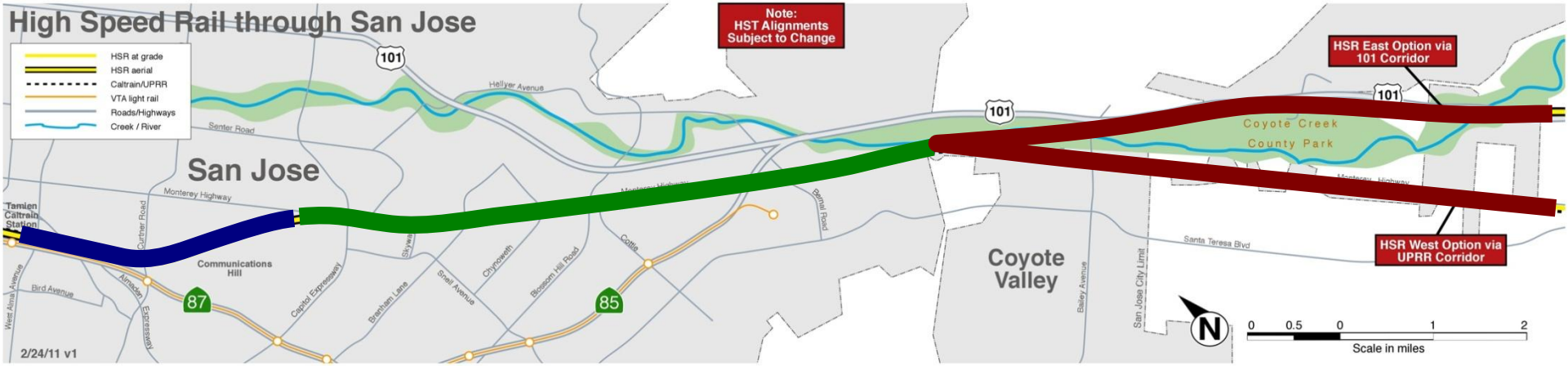
I-280 Crossing Video

Video omitted to keep file size manageable for download.

HST Alignment through San Jose Corridor Elements

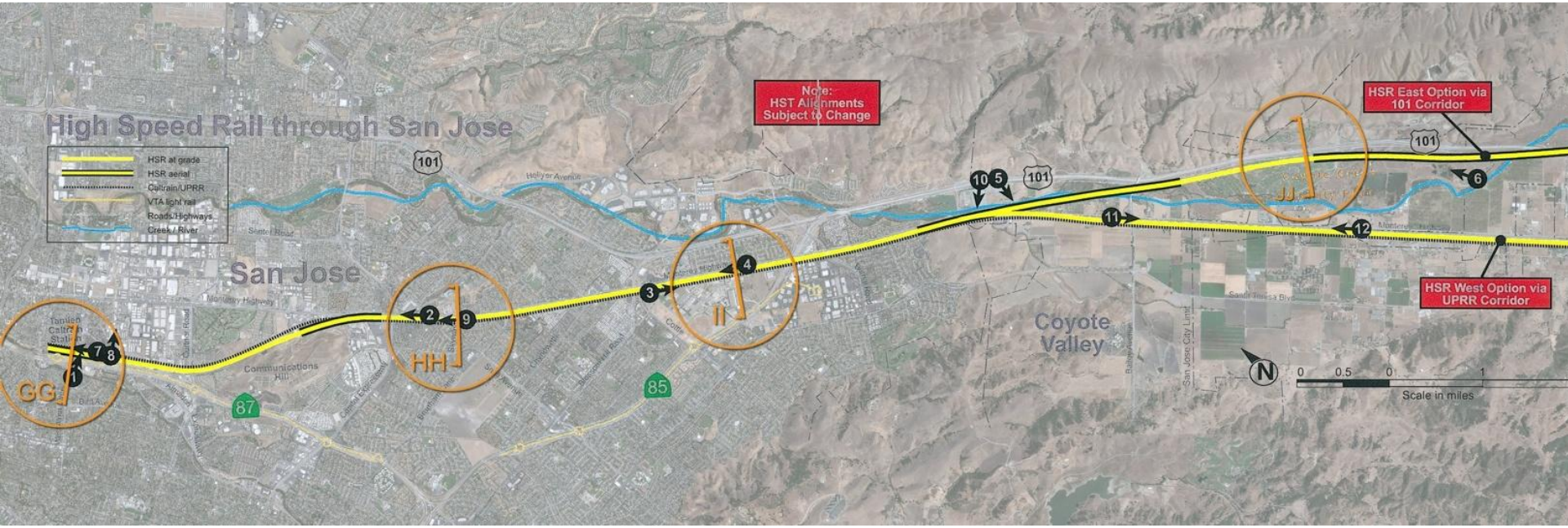
Area 4
Tamien to Monterey Hwy

Area 6
Coyote Valley

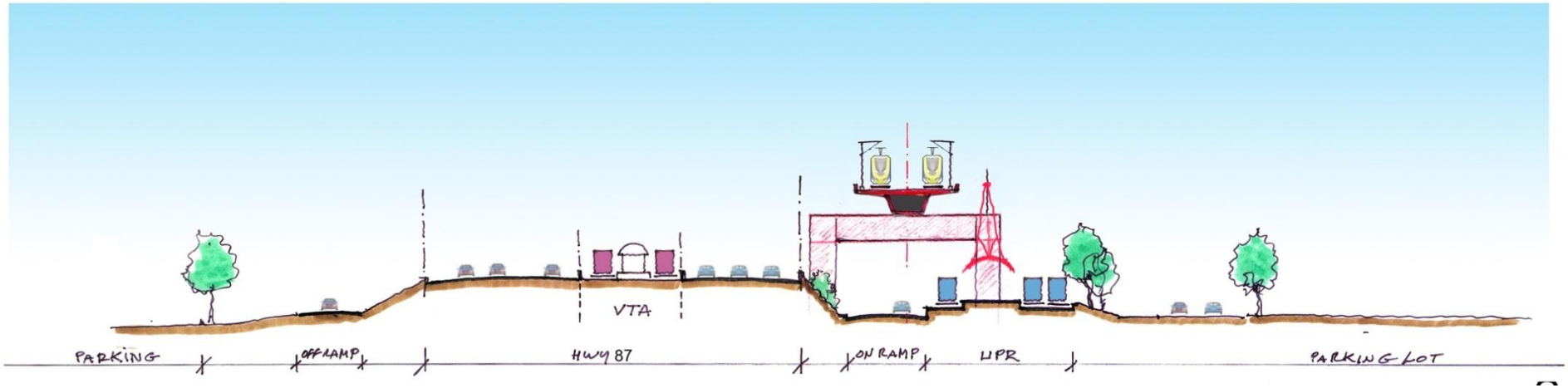


Area 5
Monterey Highway

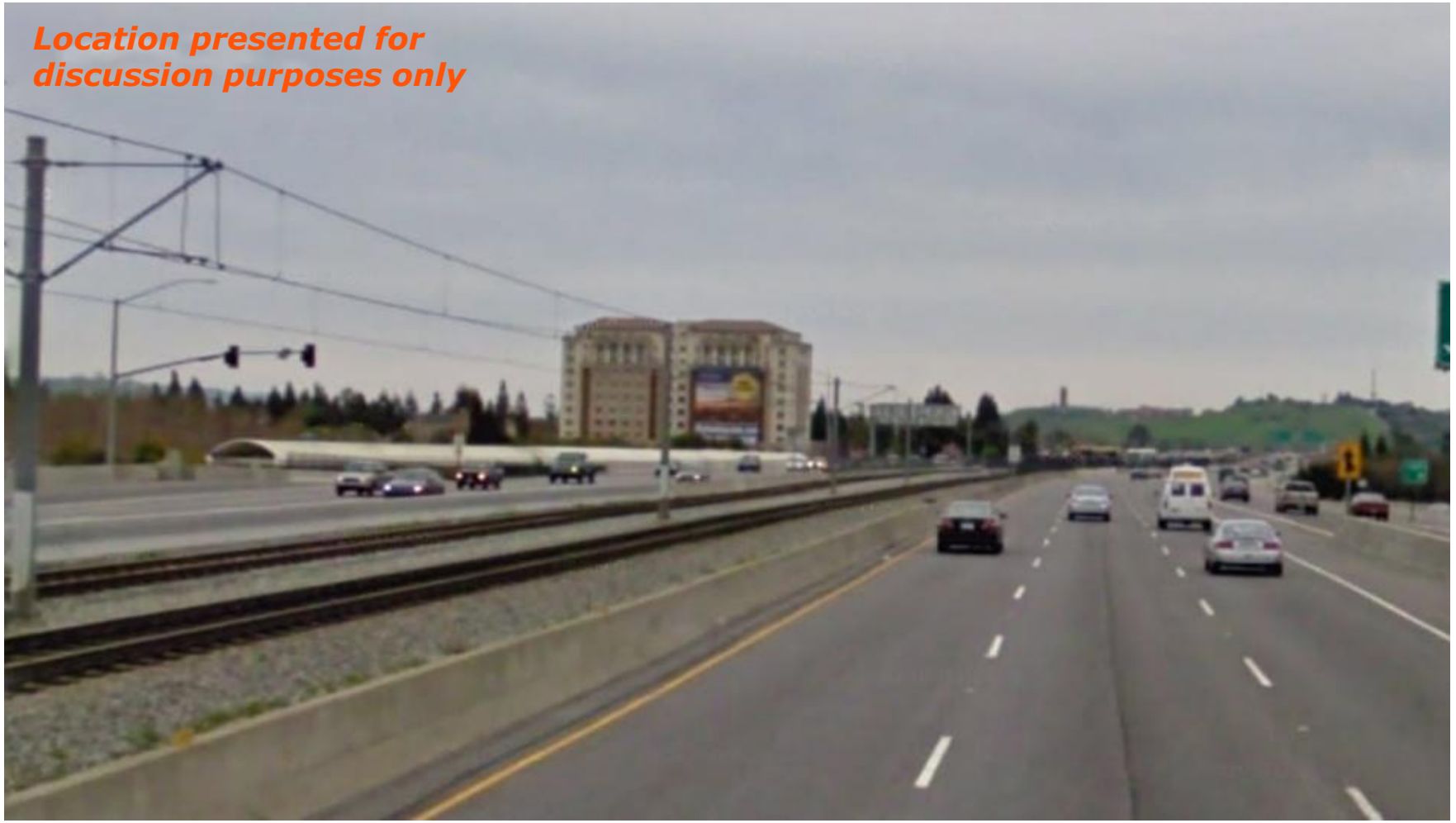
HST Alignment through San Jose
Cross Sections



Tamien Caltrain Station
Section HH

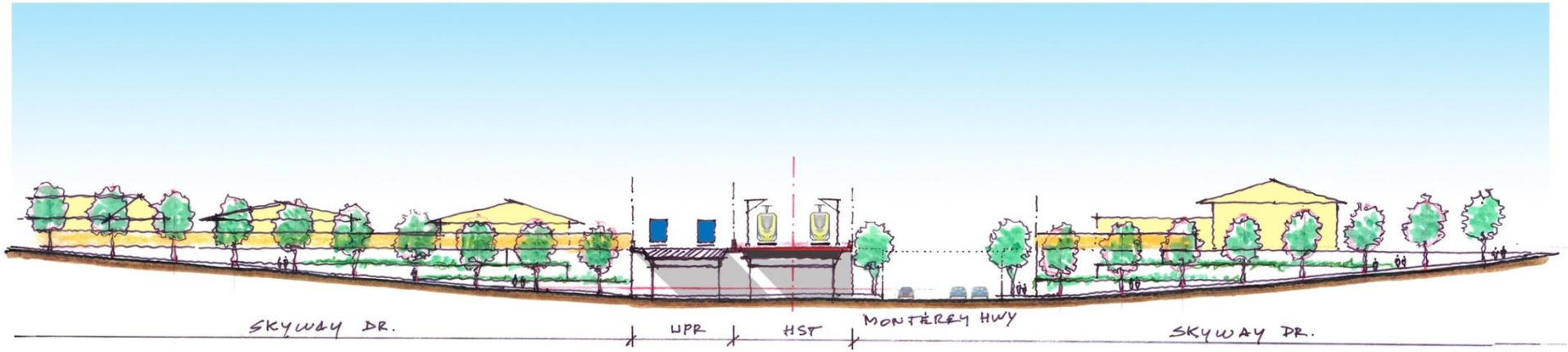


SR 87
Looking South at Tamien Station



Tamien Station
Looking West

Monterey Highway / Skyway Drive
Section II

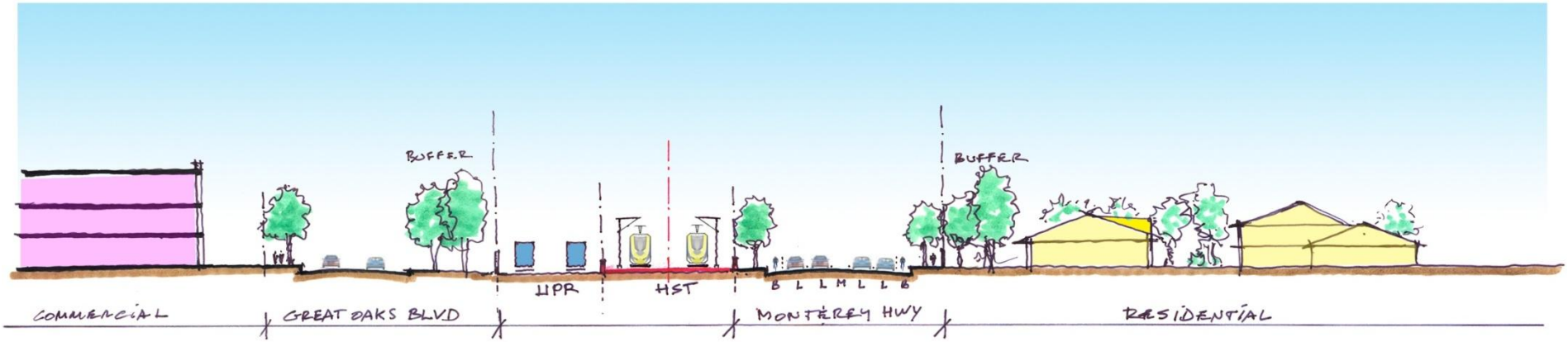


Monterey Highway
Looking South to Skyway Drive

Branham Lane
Looking East to Monterey Highway

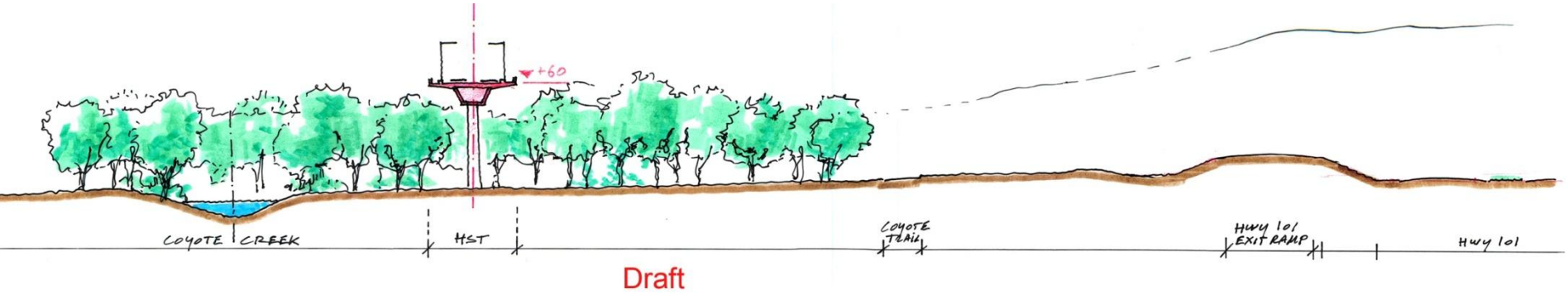
Monterey Highway
Looking North from Blossom Hill Road

Monterey Highway / Silverleaf
Section JJ



Monterey Highway
Looking South at Grandwell Way

Coyote Creek Crossing
Section KK



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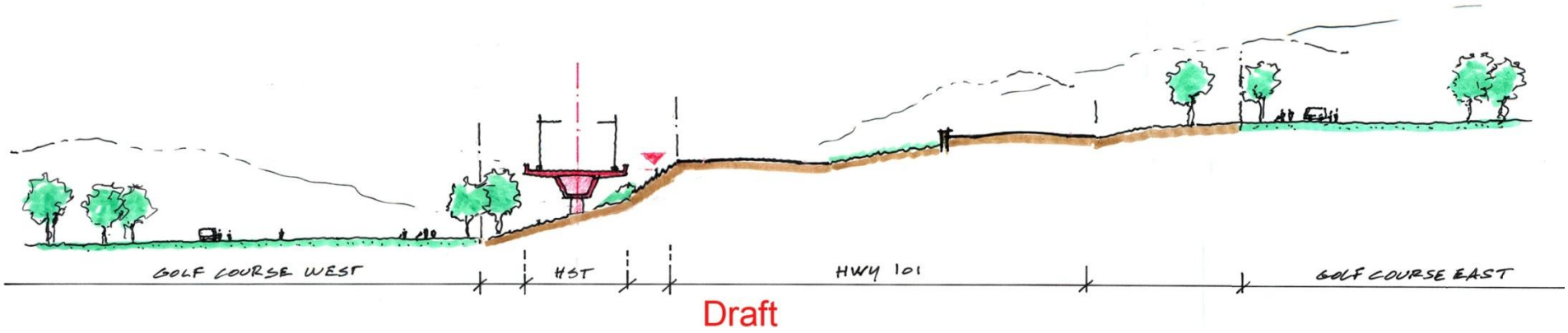
Bailey Avenue
Looking West from US 101

Bailey Avenue
Looking East to US 101

US 101 near Coyote Creek Golf Course
Section LL



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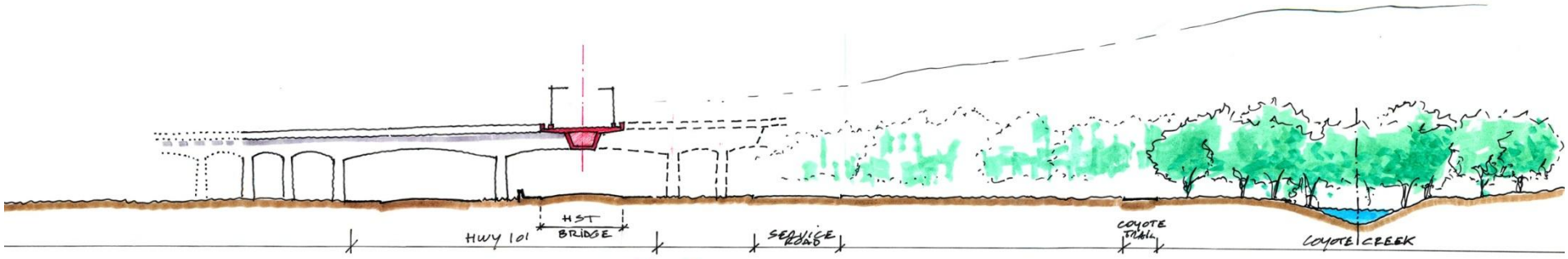
US 101
Looking South towards Coyote Creek Golf Drive

US 101 in Coyote Valley
Section MM



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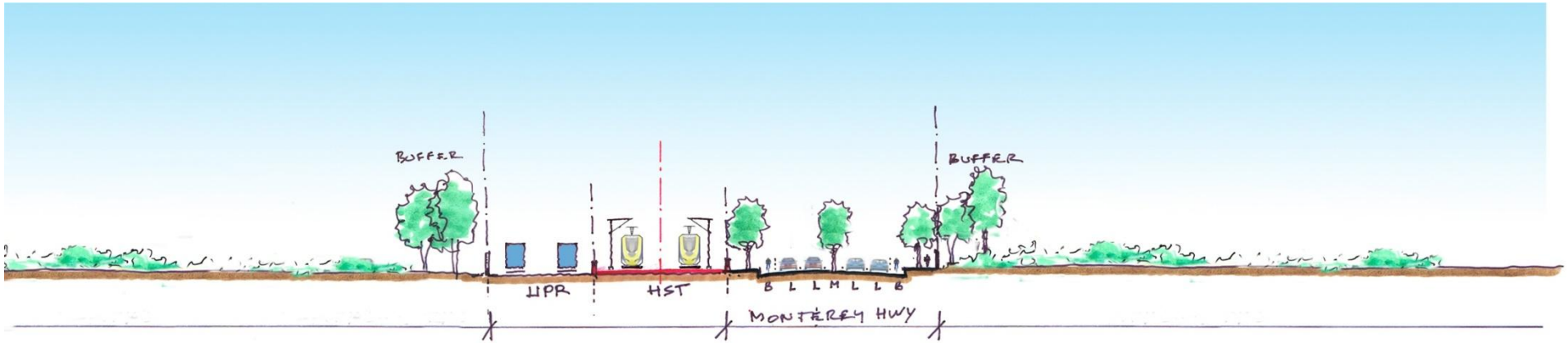
US 101
Looking North at San Jose City Limits

Monterey Highway in Coyote Valley
Section NN



Monterey Highway in Coyote Valley
Looking North

Guiding Visual Appearance in Context

Horizontal and Vertical Geometry

Superstructure Type and Support Examples

- Predominant design
- Bridge structures – gateways
- Iconic design

Prep for Workshop

Superstructure Type -- Haunched Girder Viaduct and Piers

Superstructure Type -- Concrete Arch

Superstructure Type – Concrete Box Girder

Superstructure Type -- Inverted Bowstring Bridge

Pier Shape – Elliptical with Flared Top

Column Shape -- Sloping Outward at Deck

Column Shape -- Sloping Outward at Foundation

Gateway Underpass – Buttress and Haunch

Gateway Underpass – Architectural Elements

Helix Bridge, Singapore

Iconic Structures: Cable Stayed Bridge -- Bunker Hill Bridge, Boston

Iconic Structure
Arched Cable Stayed -- Reggio Emilia, Italy

Iconic Structure
Network Arch -- Reggio Emilia, Italy

Public Comment

Thank you

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